

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074540.D
 Acq On : 17 Sep 2022 04:08
 Operator : JC\MD
 Sample : N4549-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-56

Quant Time: Sep 17 06:19:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

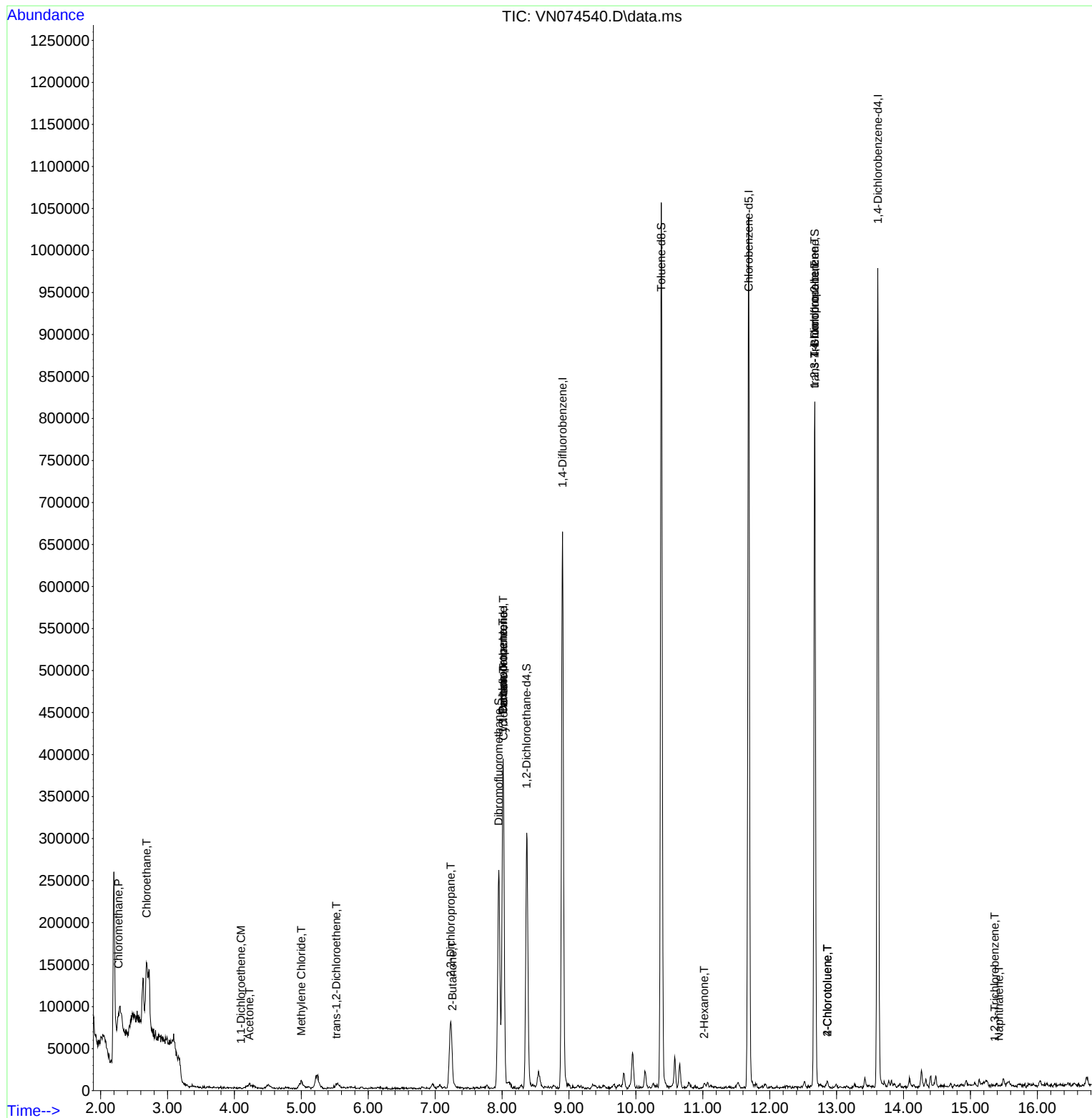
Internal Standards						
1) Pentafluorobenzene	8.016	168	283242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	542324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	521182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	231602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	229826	47.822	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.640%
35) Dibromofluoromethane	7.951	113	186090	51.655	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.300%
50) Toluene-d8	10.380	98	664792	47.715	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.440%
62) 4-Bromofluorobenzene	12.674	95	245976	51.548	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1955	0.633	ug/l #	84
6) Chloroethane	2.687	64	20218	5.334	ug/l #	51
12) 1,1-Dichloroethene	4.099	96	88	0.708	ug/l #	1
16) Acetone	4.222	43	7996	2.600	ug/l #	72
20) Methylene Chloride	4.998	84	864	0.215	ug/l #	50
21) trans-1,2-Dichloroethene	5.522	96	56	0.443	ug/l #	1
25) 2-Butanone	7.257	43	4870	0.954	ug/l #	45
26) 2,2-Dichloropropane	7.234	77	5179	0.672	ug/l #	53
31) Cyclohexane	8.022	56	12271	1.439	ug/l #	51
36) 1,1-Dichloropropene	8.010	75	27044	4.241	ug/l #	51
38) Carbon Tetrachloride	8.016	117	30118	5.116	ug/l #	17
59) 2-Hexanone	11.022	43	2587	0.336	ug/l #	32
76) 1,2,3-Trichloropropane	12.669	75	147359	20.671	ug/l #	1
79) 2-Chlorotoluene	12.863	91	5539	0.329	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.669	75	147359	44.614	ug/l #	11
82) 4-Chlorotoluene	12.863	91	5539	0.346	ug/l #	40
95) Naphthalene	15.427	128	494	1.613	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.362	180	66	1.350	ug/l #	1

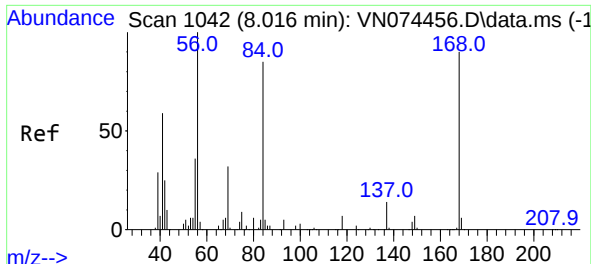
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 06:19:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

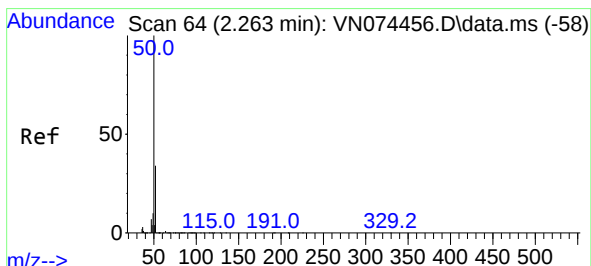
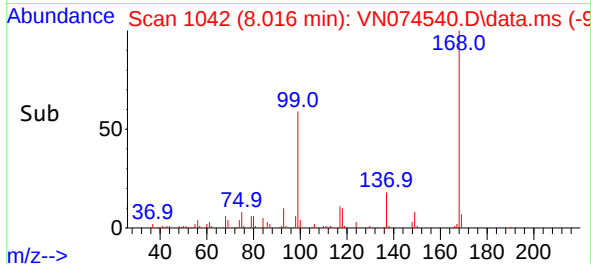
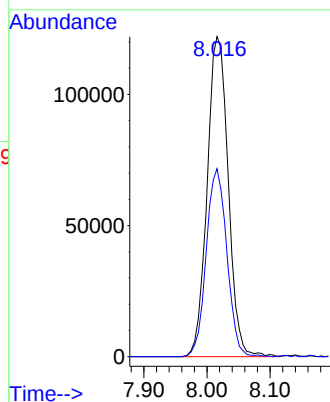
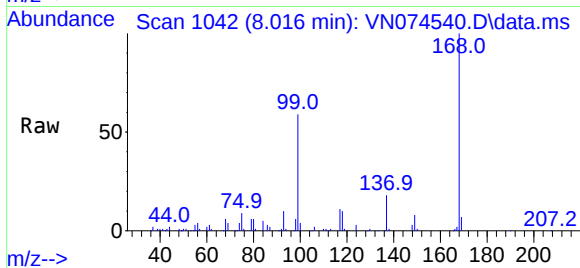




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

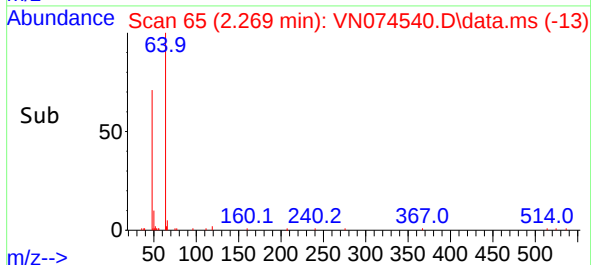
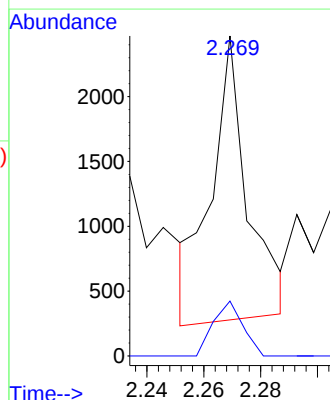
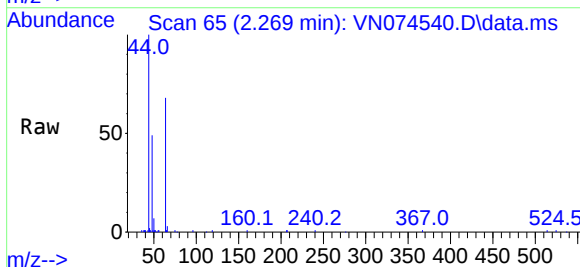
Instrument :
MSVOA_N
ClientSampleId :
MW-56

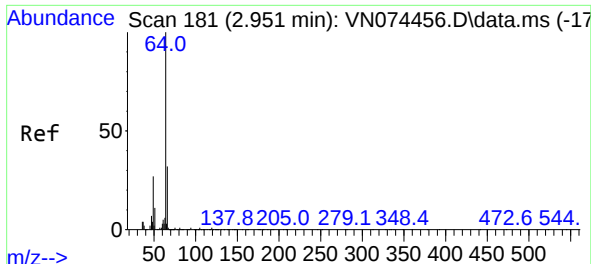
Tgt Ion:168 Resp: 283242
Ion Ratio Lower Upper
168 100
99 58.8 42.3 63.5



#3
Chloromethane
Concen: 0.633 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion: 50 Resp: 1955
Ion Ratio Lower Upper
50 100
52 23.3 25.7 38.5#

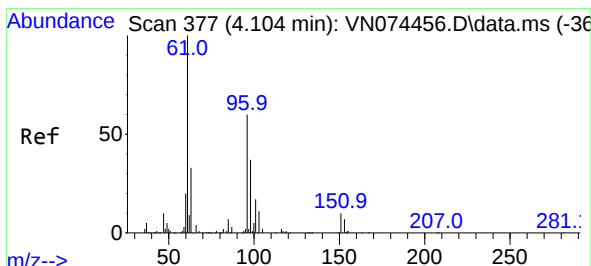
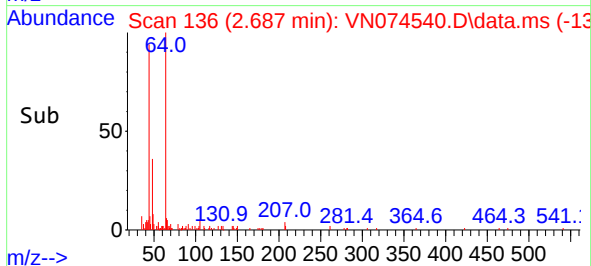
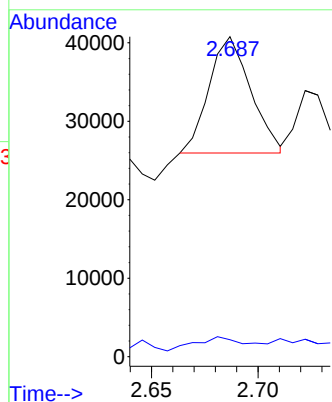
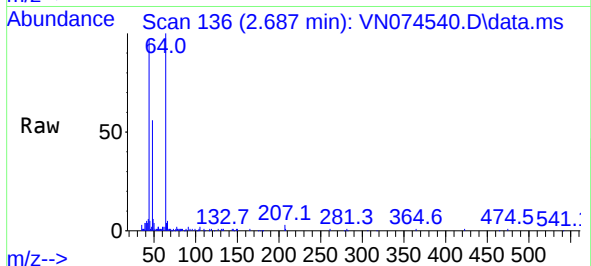




#6
Chloroethane
Concen: 5.334 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

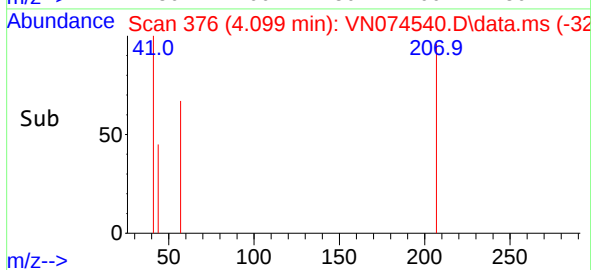
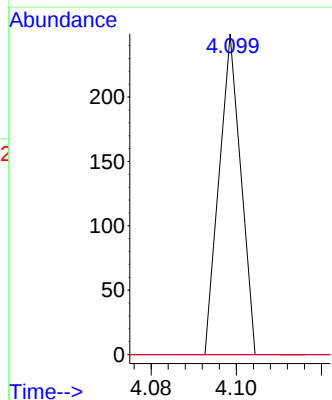
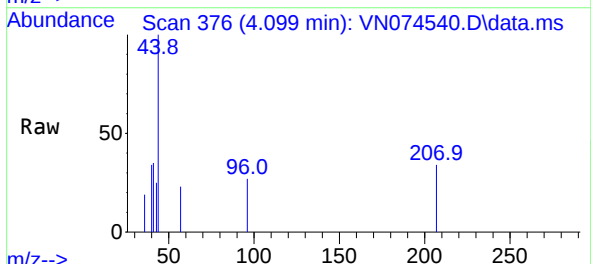
Instrument :
MSVOA_N
ClientSampleId :
MW-56

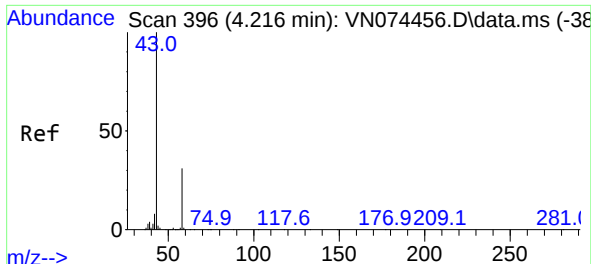
Tgt Ion: 64 Resp: 20218
Ion Ratio Lower Upper
64 100
66 5.1 26.2 39.4#



#12
1,1-Dichloroethene
Concen: 0.708 ug/l
RT: 4.099 min Scan# 376
Delta R.T. -0.005 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion: 96 Resp: 88
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

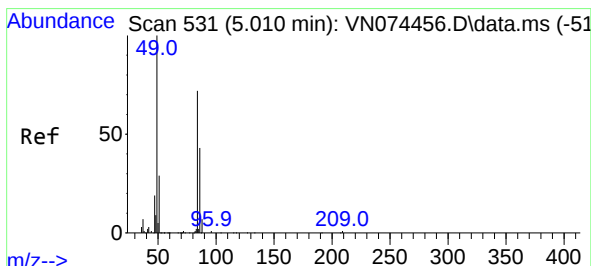
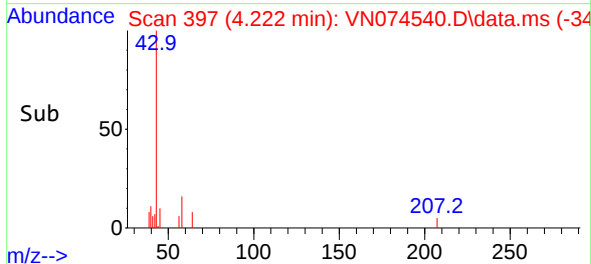
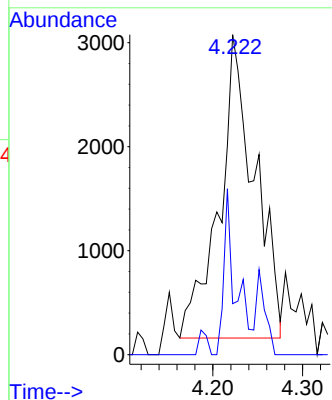
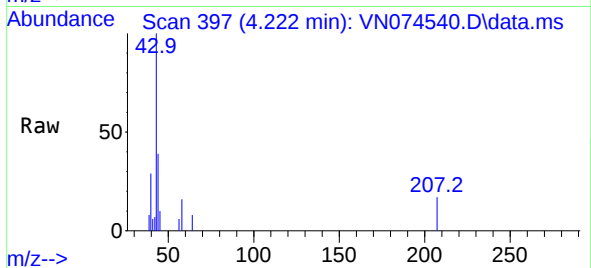




#16
Acetone
Concen: 2.600 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

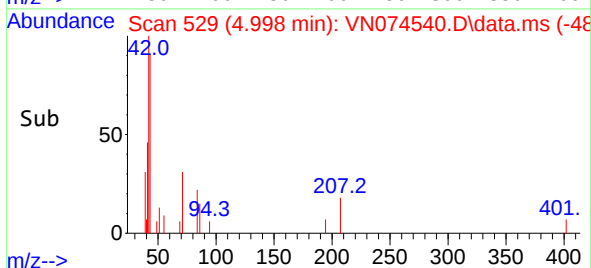
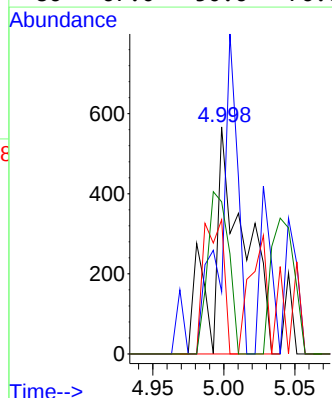
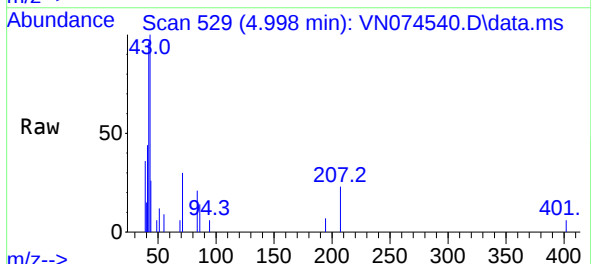
Instrument :
MSVOA_N
ClientSampleId :
MW-56

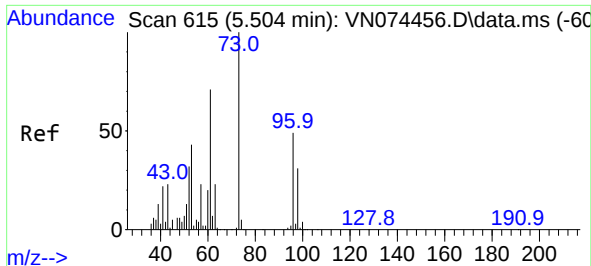
Tgt Ion: 43 Resp: 7996
Ion Ratio Lower Upper
43 100
58 16.8 26.0 39.0#



#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 4.998 min Scan# 529
Delta R.T. -0.012 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion: 84 Resp: 864
Ion Ratio Lower Upper
84 100
49 27.3 88.3 132.5#
51 59.1 28.2 42.2#
86 67.0 50.6 76.0

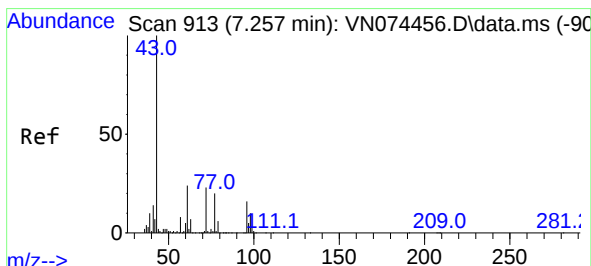
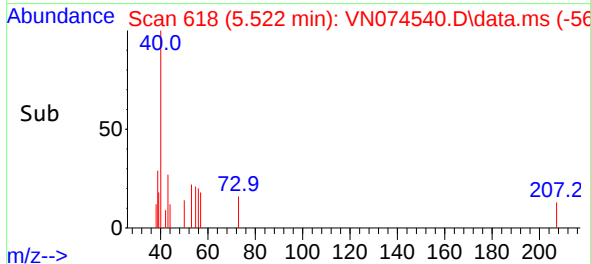
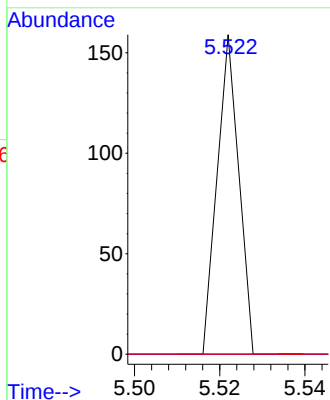
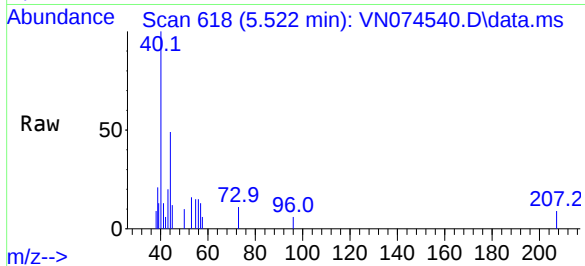




#21
trans-1,2-Dichloroethene
Concen: 0.443 ug/l
RT: 5.522 min Scan# 618
Delta R.T. 0.018 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

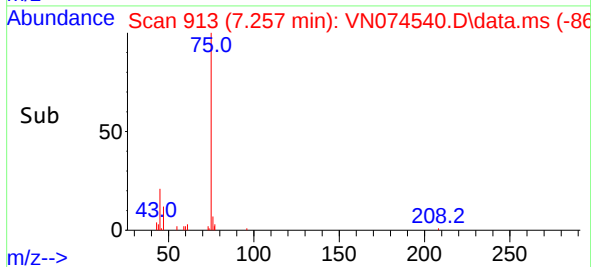
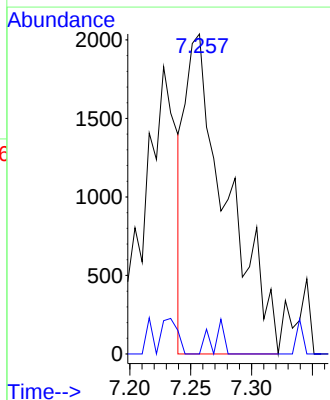
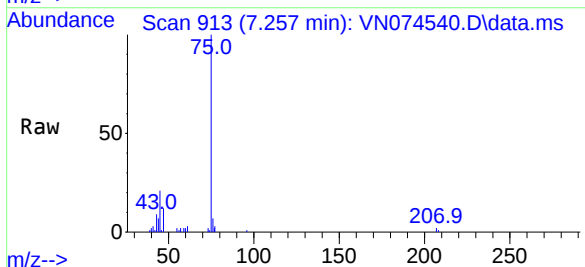
Instrument :
MSVOA_N
ClientSampleId :
MW-56

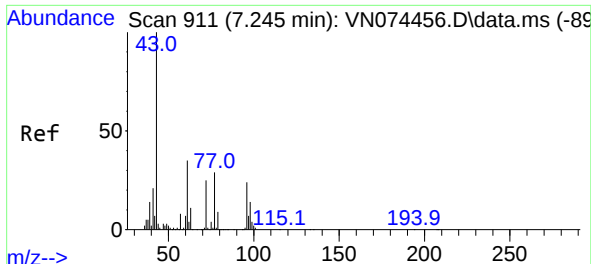
Tgt Ion: 96 Resp: 56
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 0.954 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion: 43 Resp: 4870
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.672 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.011 min

Lab File: VN074540.D

Acq: 17 Sep 2022 04:08

Instrument :

MSVOA_N

ClientSampleId :

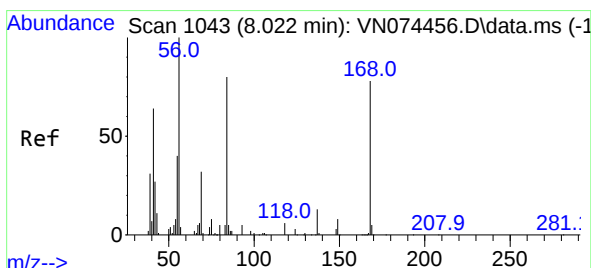
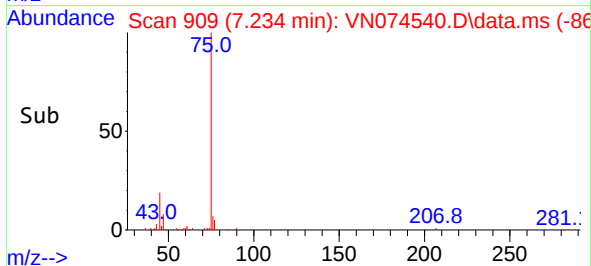
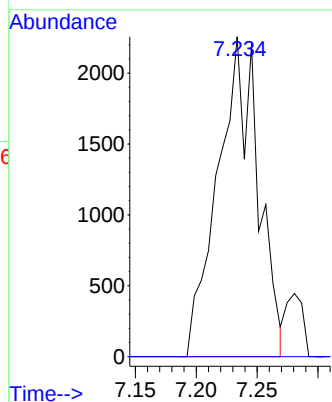
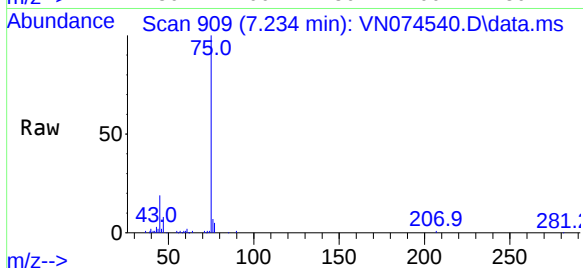
MW-56

Tgt Ion: 77 Resp: 5179

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.439 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074540.D

Acq: 17 Sep 2022 04:08

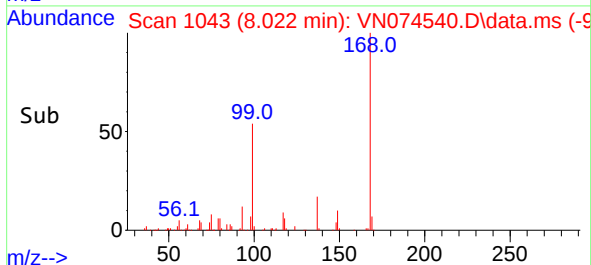
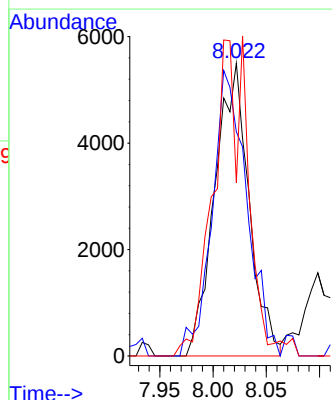
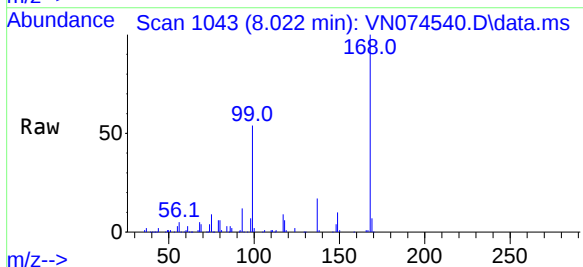
Tgt Ion: 56 Resp: 12271

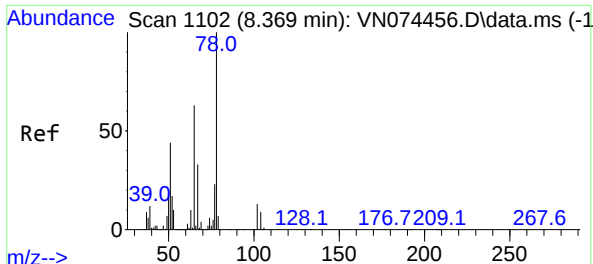
Ion Ratio Lower Upper

56 100

69 76.6 27.8 41.8#

84 55.7 76.9 115.3#

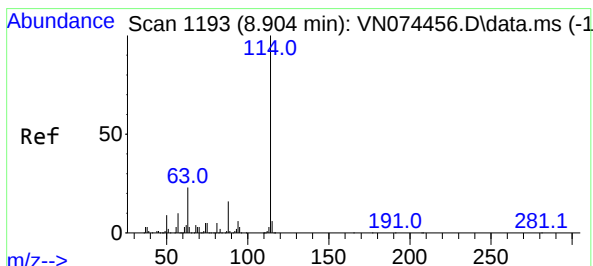
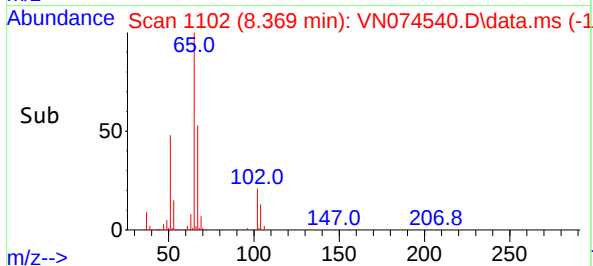
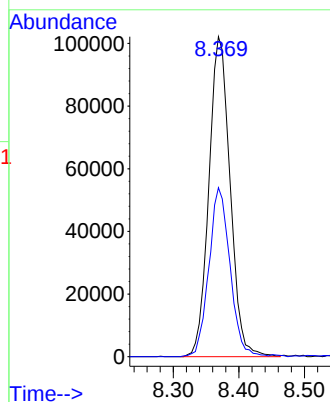
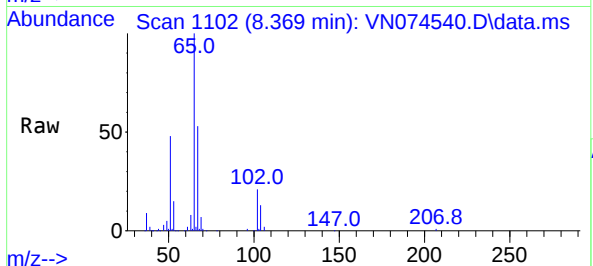




#33
1,2-Dichloroethane-d4
Concen: 47.822 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

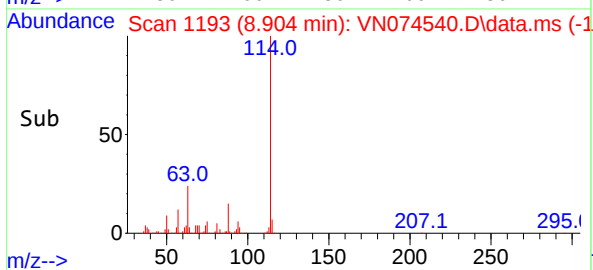
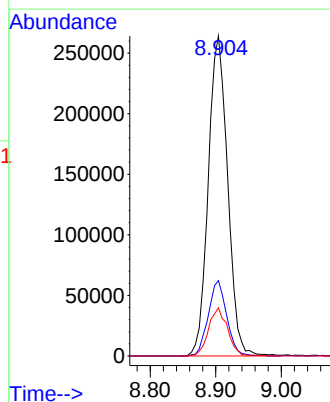
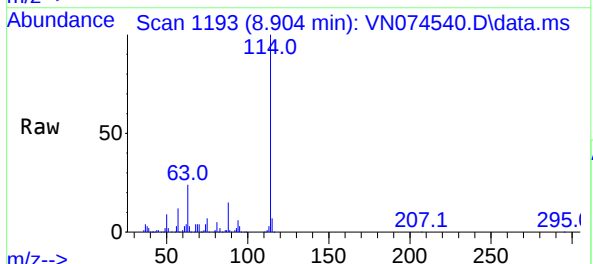
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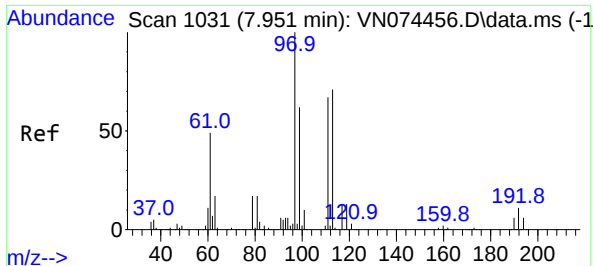
Tgt Ion: 65 Resp: 229826
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion:114 Resp: 542324
Ion Ratio Lower Upper
114 100
63 23.6 0.0 40.0
88 15.1 0.0 32.6

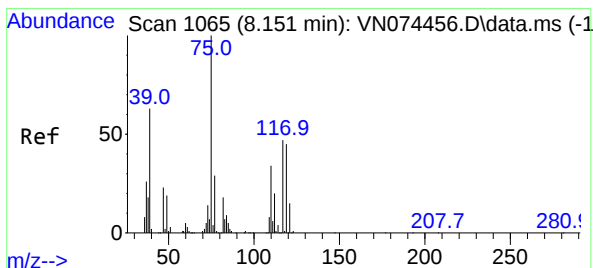
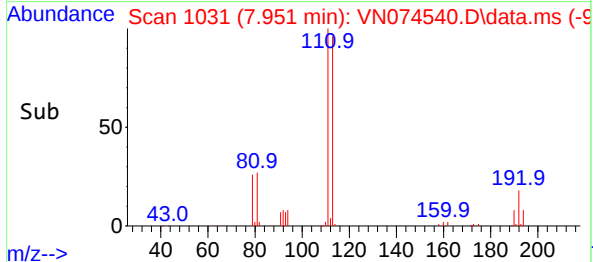
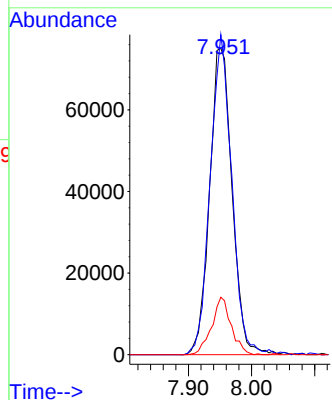
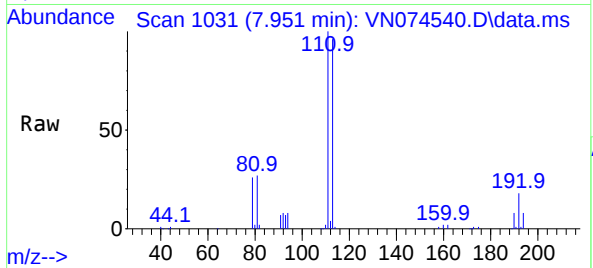




#35
Dibromofluoromethane
Concen: 51.655 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

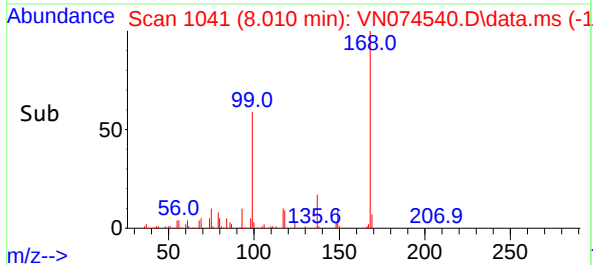
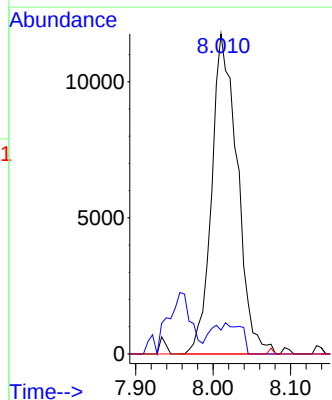
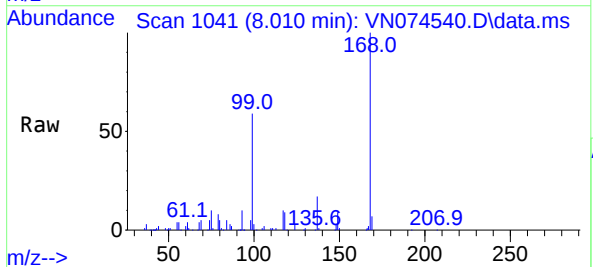
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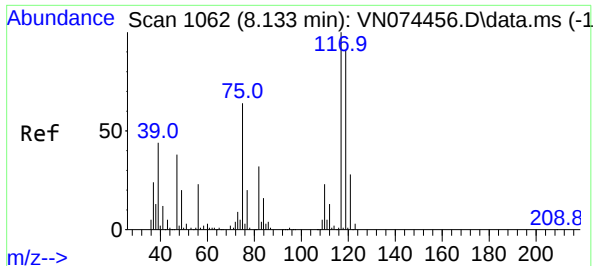
Tgt Ion:113 Resp: 186090
Ion Ratio Lower Upper
113 100
111 99.5 81.4 122.0
192 16.3 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion: 75 Resp: 27044
Ion Ratio Lower Upper
75 100
110 11.4 18.3 54.8#
77 0.0 25.1 37.7#

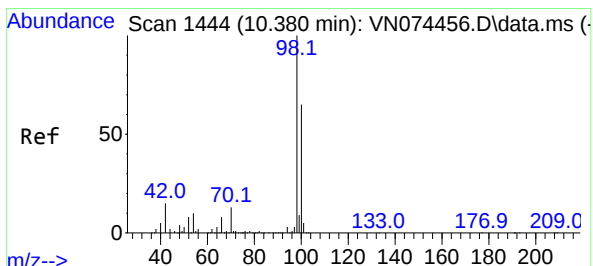
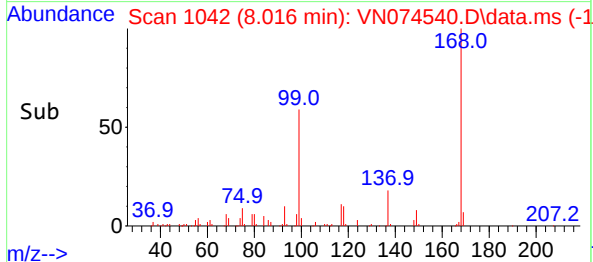
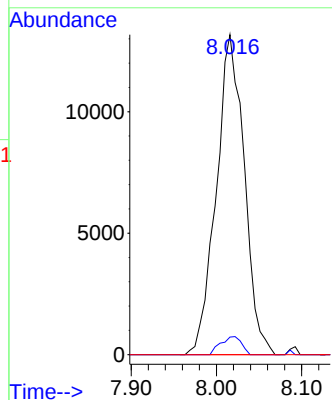
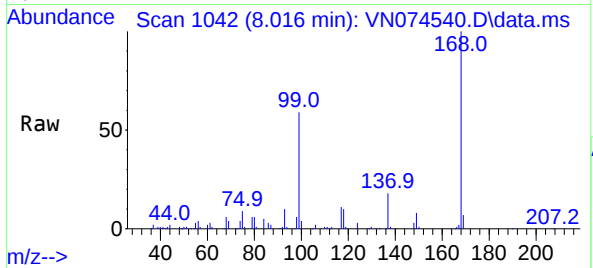




#38
Carbon Tetrachloride
Concen: 5.116 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

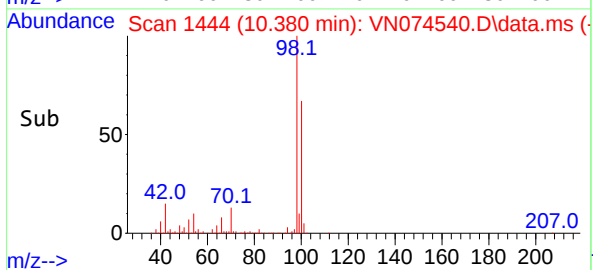
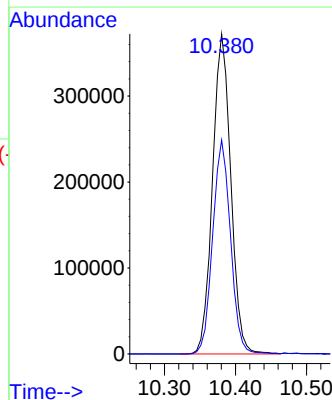
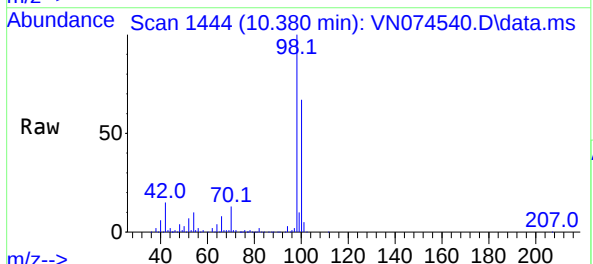
Instrument :
MSVOA_N
ClientSampleId :
MW-56

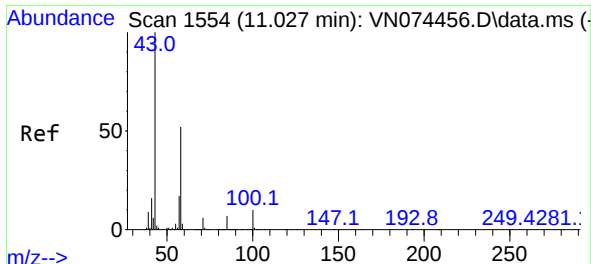
Tgt Ion:117 Resp: 30118
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.715 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion: 98 Resp: 664792
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

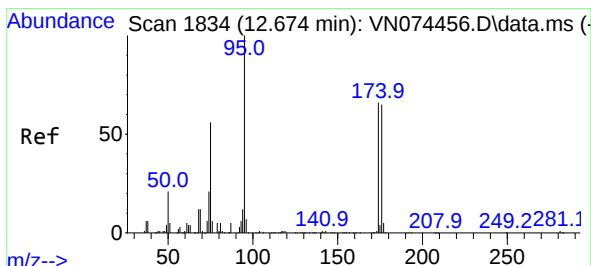
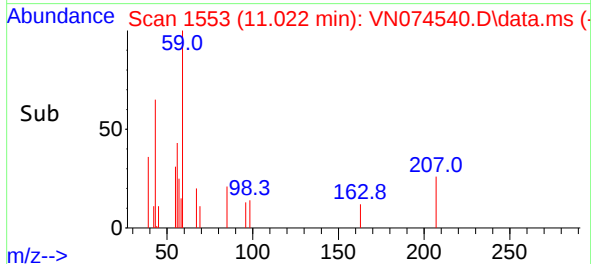
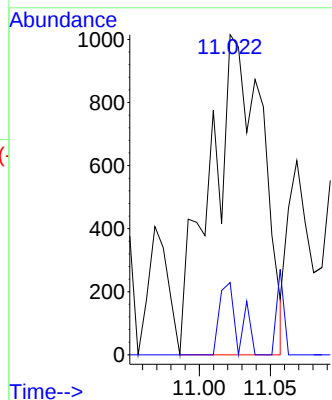
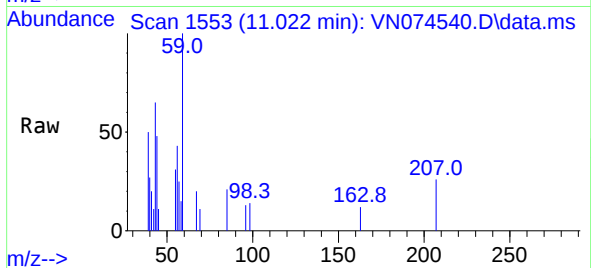




#59
2-Hexanone
Concen: 0.336 ug/l
RT: 11.022 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

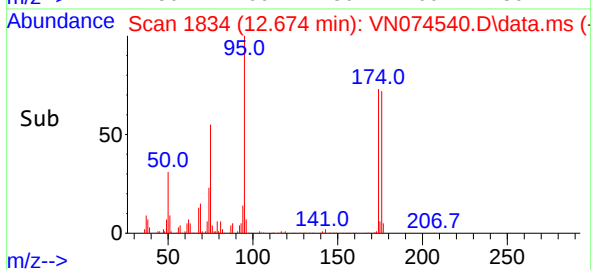
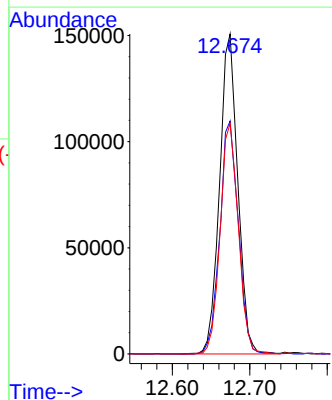
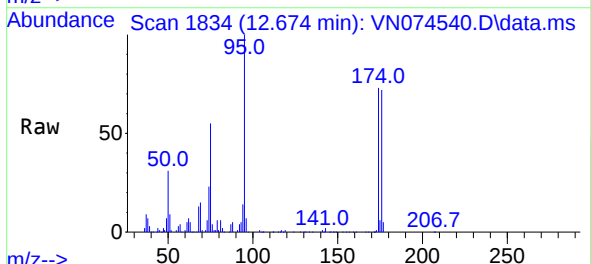
Instrument :
MSVOA_N
ClientSampleId :
MW-56

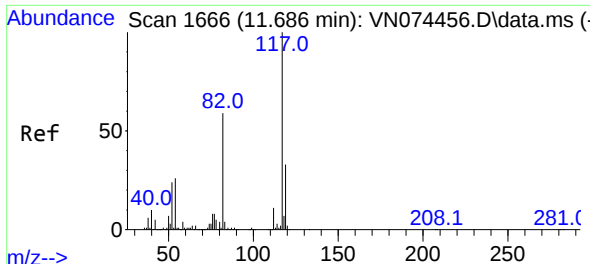
Tgt Ion: 43 Resp: 2587
Ion Ratio Lower Upper
43 100
58 8.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 51.548 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion: 95 Resp: 245976
Ion Ratio Lower Upper
95 100
174 74.1 0.0 167.6
176 71.7 0.0 163.4

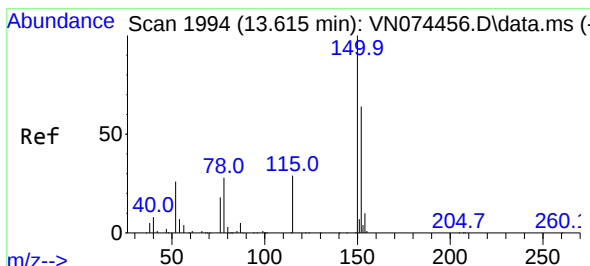
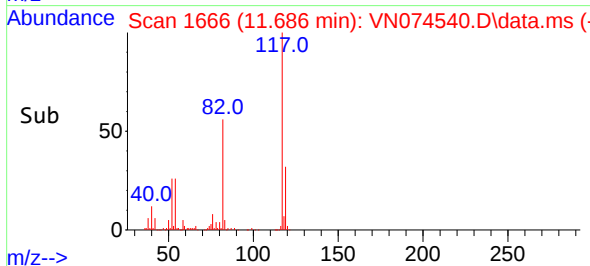
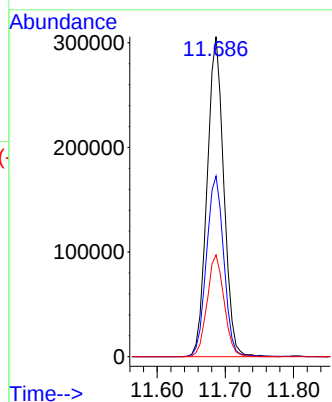
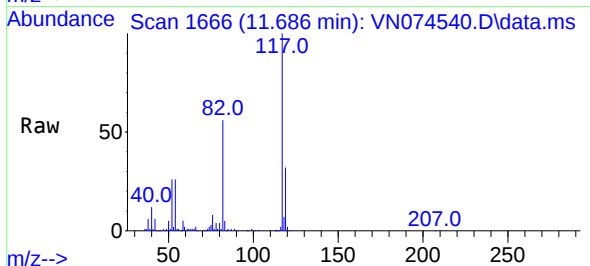




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

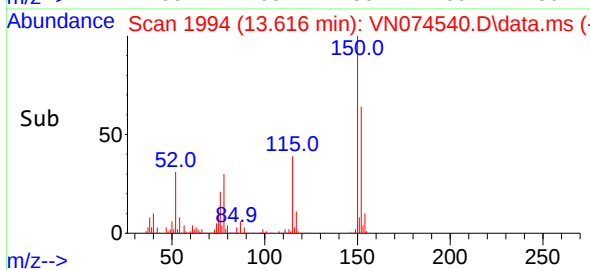
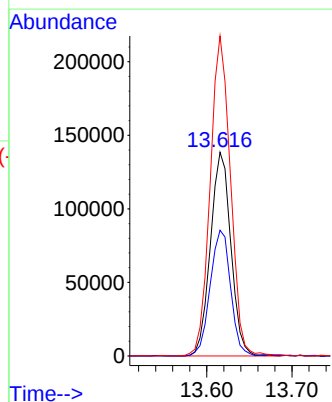
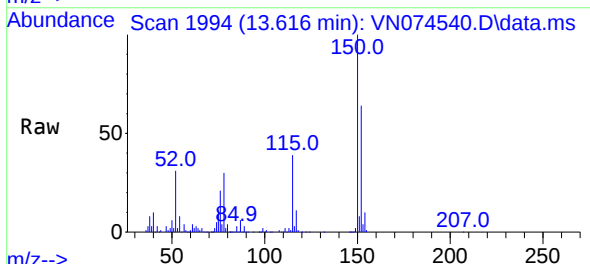
Instrument :
MSVOA_N
ClientSampleId :
MW-56

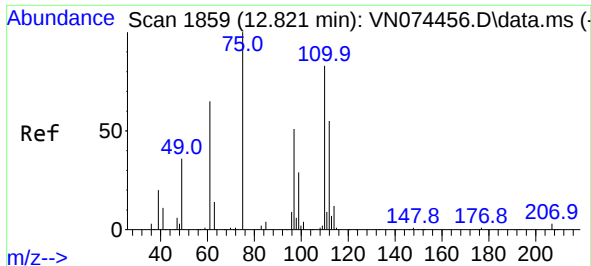
Tgt Ion:	117	Resp:	521182
Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.2	66.2
119	31.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion:	152	Resp:	231602
Ion	Ratio	Lower	Upper
152	100		
115	61.6	28.9	86.7
150	155.8	0.0	356.2

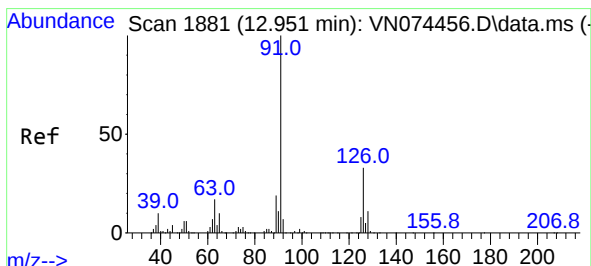
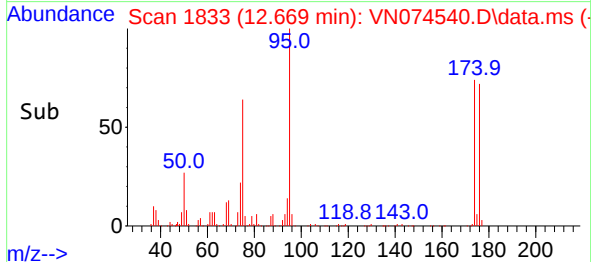
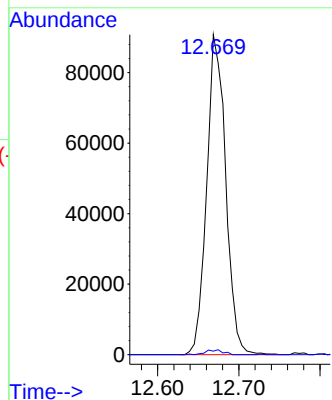
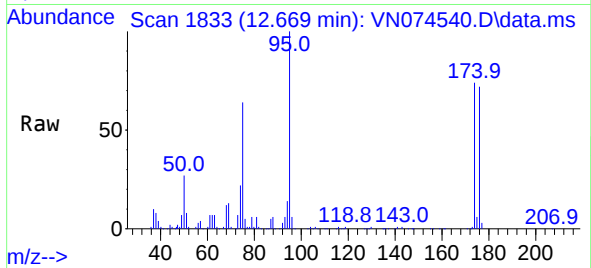




#76
1,2,3-Trichloropropane
Concen: 20.671 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

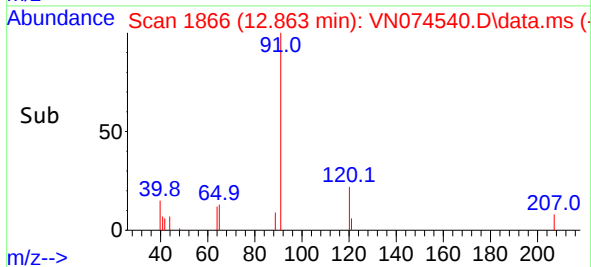
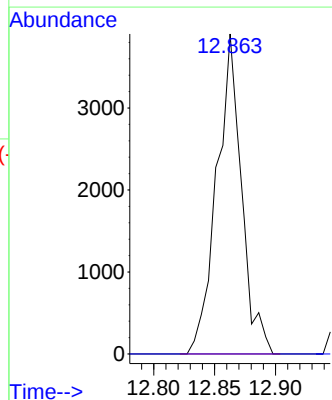
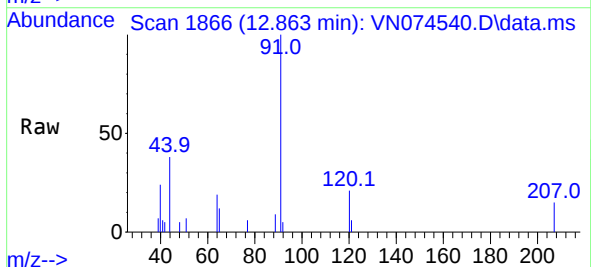
Instrument :
MSVOA_N
ClientSampleId :
MW-56

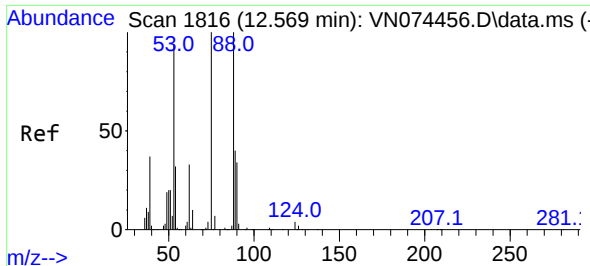
Tgt Ion: 75 Resp: 147359
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#79
2-Chlorotoluene
Concen: 0.329 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.088 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion: 91 Resp: 5539
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

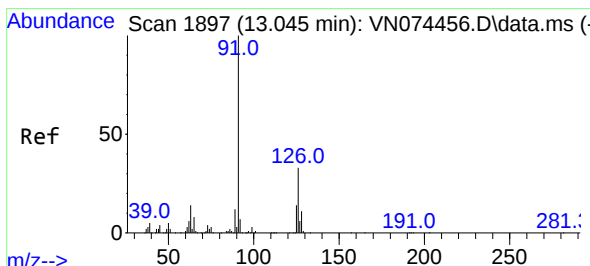
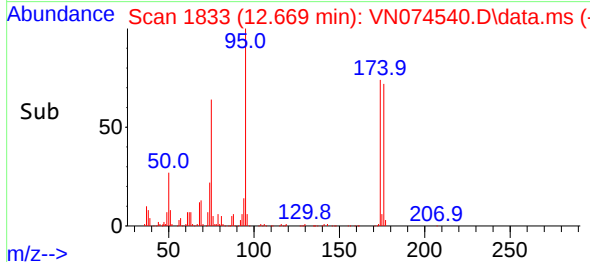
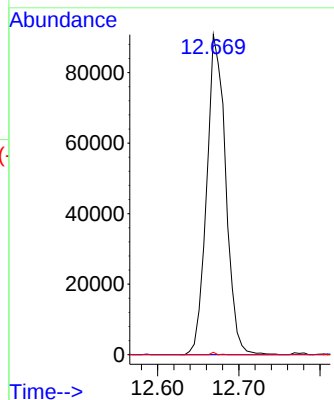
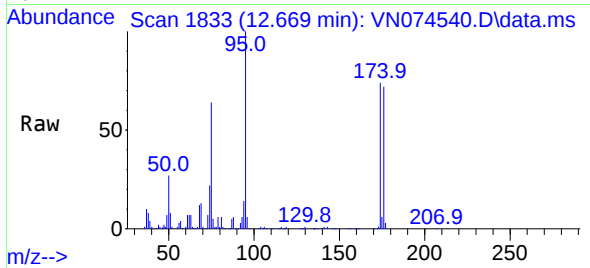




#81
trans-1,4-Dichloro-2-butene
Concen: 44.614 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

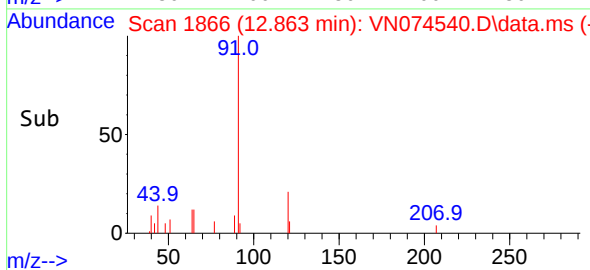
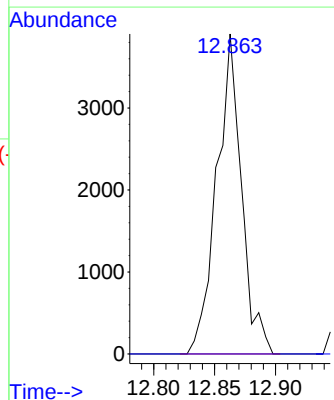
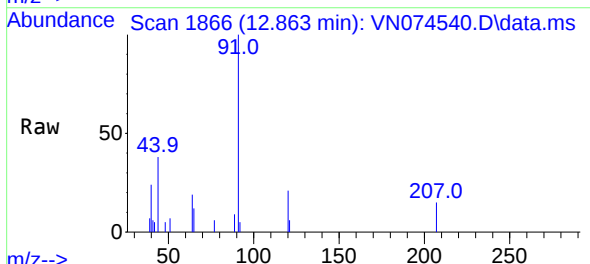
Instrument :
MSVOA_N
ClientSampleId :
MW-56

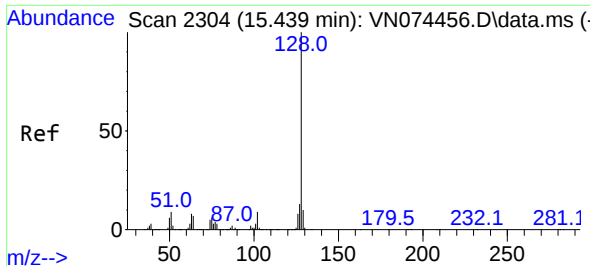
Tgt Ion: 75 Resp: 147359
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.2 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.346 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.182 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion: 91 Resp: 5539
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#

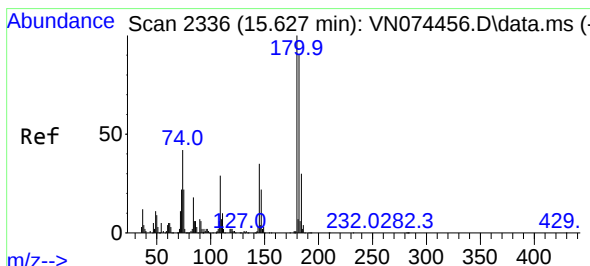
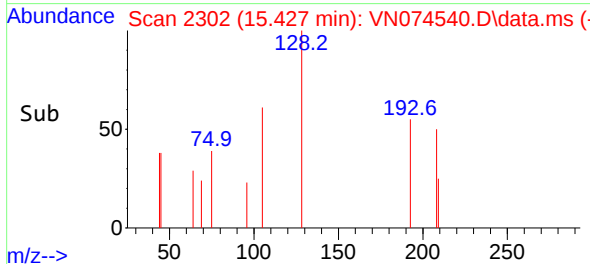
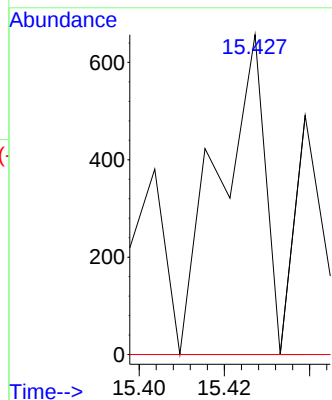
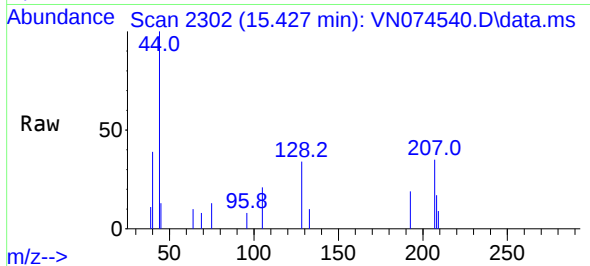




#95
Naphthalene
Concen: 1.613 ug/l
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Instrument :
MSVOA_N
ClientSampleId :
MW-56

Tgt Ion:128 Resp: 494
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.350 ug/l
RT: 15.362 min Scan# 2291
Delta R.T. -0.265 min
Lab File: VN074540.D
Acq: 17 Sep 2022 04:08

Tgt Ion:180 Resp: 66
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 174.2 15.5 46.5#

